This Listing of Claims will replace all prior versions, and listing, of claims

to the subject Patent Application.

LISTING OF CLAIMS:

Claim 1 (Withdrawn) A resilient hinge for spectacle frame, including an

axis as well as a positioning guide, a resilient medium and a stopper, which are

fitted over the axis in the aforesaid order, the head end of said axis is provided a

male hinge structure connected to a female hinge assembled in the spectacle

frame, wherein the middle part of the axis is a pillar having a comparatively

smaller cross-sectional area with at least one side being a flat surface, the rear

portion of said axis is a pillar with the smallest cross-sectional area; said

positioning guide is provided with a positioning hole corresponding to the middle

pillar of the axis, said positioning guide is fitted over the middle pillar of the axis

through the positioning hole and abuts against the male hinge structure of the head

end of the axis and the female hinge on the spectacle frame; said resilient medium

and stopper are fitted over the rear pillar of the axis in the aforesaid order; the

middle and rear pillars of said axis together with the positioning guide, resilient

medium and stopper are all sealingly assembled in an accommodating of the

spectacle frame.

Page 4 of 17

Claim 2 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 1, wherein the rear pillar of said axis is cylindrical, which is manufactured

through pressing and stretching by diameter-reducing machine.

Claim 3 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 1, wherein the middle pillar of said axis is a pillar with a polygonal cross

section.

Claim 4 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 3, wherein the middle pillar of said axis is a pillar with a 8-sided

polygonal cross section.

Claim 5 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 4, wherein the cross sections of the middle pillar of said axis and the

positioning hole in positioning guide are square of rectangular.

Claim 6 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 1, wherein the cross sections of the middle pillar of said axis and the

positioning hole in positioning guide are in the shape of kidney or crisscross or

semi-circle.

Page 5 of 17

Claim 7 (Withdrawn) The resilient hinge of the spectacle frame according to claim 1, wherein on a lateral side of the outer surface of said positioning guide is provided with a positioning hole or positioning neck slot.

Claim 8 (Withdrawn) The resilient hinge of the spectacle frame according to claim 7, wherein the female hinge is provided on the spectacle frame front; the middle and rear pillars of the axis together with the positioning guide, resilient medium and stopper are sealingly assembled in the accommodating receptacle on temple; and at least one depression or screw or pin is made or used in a place on the temple corresponding to the positioning hole or the positioning neck slot in the positioning guide and as a result the positioning guide is wedged; the male hinge structure of said axis is connected movably to the female hinge assembled in the spectacle frame front.

Claim 9 (withdrawn) The resilient hinge of the spectacle frame according to claim 7, wherein said female hinge is provided on the temple; the middle and rear pillars of said axis together with the positioning guide, resilient medium and stopper are sealingly assembled in the accommodating receptacle in the spectacle frame front; and at least one depression or screw or pin is made or used in a place on the spectacle frame front corresponding to the positioning hole or the positioning neck slot in the positioning guide and as a result the positioning guide is wedged; the male hinge structure of said axis is connected movably to the

female hinge assembled in the temple.

Claim 10 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 1, wherein the male hinge structure located at the head end of said axis

extends outwardly to form a hook structure; a positioning slot that runs through

the hole wall is provided in the outer end of accommodating receptacle in the

spectacle frame corresponding to where the hook structure is; the hook structure at

the head end of the axis is positioned in the positioning slot with their structural

sizes matching with each other.

Claim 11 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 1, wherein at the end of the positioning guide close to the male hinge

structure of the axis is also provided with a plate.

Claim 12 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 11, wherein the male hinge structure located at the head end of said axis

extends outwardly to form a hook structure; a positioning slot that runs through

the hole wall is provided at the outside end of the receptacle in the spectacle frame

corresponding to where the hook structure is, a through slot is provided on the

plate corresponding to the hook structure and the positioning slot in the spectacle

Page 7 of 17

frame, the hook structure at the head end of the axis is positioned in the

positioning slot and the through slot with their structural sizes matching with each

other.

Claim 13 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 11, wherein the rim of the plate is provided with a guiding chamfer.

Claim 14 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 11, wherein the accommodating receptacle in the spectacle frame extends

outwardly with an accommodating slot corresponding to the plate, said plate

suitably fits in the accommodating slot.

Claim 15 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 1, wherein a stopper is securely assembled in the outer end portion of rear

pillar of said axis or the outer end portion of the rear pillar of the axis is directly

hammered into a flat shape as a stopper, so that the resilient medium is positioned

on the rear pillar of the axis.

Claim 16 (Withdrawn) The resilient hinge of the spectacle frame according

to claim 1, wherein said resilient medium is a compression spring.

Page 8 of 17

Claim 17 (Currently Amended) A manufacturing method for a resilient hinge of a spectacle frame, which comprises at least the following steps:

<u>a</u> primary shaping step <u>wherein</u>: the <u>an</u> axis having a primary shape <u>is formed</u> manufactured from a metal sheet, that the <u>a</u> head end of the axis <u>defining</u> is a male hinge structure, the <u>a</u> middle part <u>defining</u> is a square pillar with a comparatively smaller cross-sectional area, and the <u>a</u> rear part <u>defining</u> is a <u>rear</u> square pillar;

a diameter-reducing step including: non-impact processing the rear square pillar of the axis having the primary to shape the rear square pillar into a circular pillar with specified diameter value by compressing and stretching simultaneously, whereby the circular pillar is formed with a smooth outer surface free of residual pressure marks due to impact force;

processing a hinge hole processing step including: making a hole at the head end of the axis.

Claim 18 (Currently Amended) The manufacturing method of <u>a</u> resilient hinge of spectacle frame according to claim 17, wherein the axis having a primary shape is cut out from a metal sheet in the primary shaping step.

Claim 19 (Currently Amended) The manufacturing method of <u>a</u> resilient hinge of spectacle frame according to claim 18, wherein the axis having a primary

shape is cut out from a metal sheet with an NC EDM wire-cut machine in the primary shaping step.

Claim 20 (Currently Amended) The manufacturing method of <u>a</u> resilient hinge of spectacle frame according to claim 19, wherein it also includes a step through which an ordinary metal sheet is manufactured into one that meets the specifications required by an NC EDM wire-cut machine.

Claim 21 (Currently Amended) The manufacturing method of <u>a</u> resilient hinge of spectacle frame according to claim 17, wherein it also includes a step of shaping the middle pillar of the axis.

Claim 22 (Currently Amended) The manufacturing method of <u>a</u> resilient hinge of spectacle frame according to claim 21, wherein the middle pillar of said axis is shaped by pressing or cutting or by other commonly known shaping method.

Claim 23 (Currently Amended) The manufacturing method of <u>a</u> resilient hinge of spectacle frame according to claim 17, wherein in the step of the diameter-reducing, the rear portion of the axis having a primary shape is

MR3847-18

Serial Number: 10/541,303

Response to Office Action dated 7 May 2008

compressed and stretched into a circular pillar with a specified diameter by using a

diameter-reducing machine.

Claim 24 (Currently Amended) The manufacturing method of a resilient

hinge of spectacle frame according to claim 17, wherein said method includes a

step in which the unwanted excess portion of the rear circular pillar of the axis that

was produced by the diameter-reducing process can be cut out.

Claim 25 (Currently Amended) The manufacturing method of a resilient

hinge of spectacle frame according to claim 17, wherein a hinge hole in the male

hinge structure of the head of the axis is drilled out, punched or milled by a

drilling machine, punching machine or milling machine in the hinge hole

processing step.

Claim 26 (Currently Amended) The manufacturing method of a resilient

hinge of spectacle frame according to claim 17, wherein the axis is manufactured

from materials like titanium, titanium alloy, copper, copper alloy, stainless steel,

or other metallic materials like iron of ferroalloy, etc.

Claim 27 (Currently Amended) The manufacturing method of a resilient

hinge of spectacle frame according to claim 17, wherein it also includes a step of

Page 11 of 17

MR3847-18

Serial Number: 10/541,303

Response to Office Action dated 7 May 2008

fitting \underline{a} the positioning guide, resilient medium and stopper over the middle pillar through to the rear pillar in same order and fixing their positions.